



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Amin *et al.* Confirmation Number: 2156
Serial No.: 09/839,636 Group Art Unit: 2826
Filed: April 20, 2001 Examiner: S.R. Wilson
For: QUANTUM BIT WITH A MULTI- Attorney Docket No.: 11090-035-999
TERMINAL JUNCTION AND (formerly, M-8915-2C US)
LOOP WITH A PHASE SHIFT

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed on October 3, 2003 in connection with the above-captioned patent application, please enter the following amendments and consider the following remarks. Applicants submit herewith (i) a Petition for Extension of Time extending the period for response from January 3, 2004 to and including February 3, 2004; (ii) Exhibit A, formal drawings for proposed Figs. 14 through 17; (iii) Exhibit B, evidence of Mohammad H.S. Amin, Timothy Duty, Alexander Omelyanchouk, Geordie Rose, Alexandre Zagoskin, Alexandre Blais, and Jeremy P Hilton's common duty to assign certain applications to D-Wave Systems, Inc.; (iv) Exhibit C, a copy of the United Provisional Application 60/257,624 filing receipt; (v) a power of attorney; and (vi) a copy of an assignment that was filed for recordation on even date herewith.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 14 of this paper.

Amendments to the Drawings begin on page 22 of this paper.

Remarks begin on page 23 of this paper.

An **Exhibit A** including a partial set of formal drawing figures is attached following page 30 of this paper.